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Associate Director for ESH
Environment, Safety, and Health
P.O. Box 1663, MS K491
Los Alamos, New Mexico 87545
505-667-4218/Fax 505-665-3811

**NMED
Hazardous Waste Bureau**

Environmental Management
Los Alamos Field Office, MS A316
3747 West Jemez Road
Los Alamos, New Mexico 87544
(505) 665-5658/FAX (505) 606-2132

Date: FEB 03 2016

Refer To: ADESH-16-009

LAUR: n/a

Locates Action No.: n/a

John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Request for a Two-Year Extension to Install the Angled Boring for Sandia Wetland Borehole 1 (SWB-1)

Dear Mr. Kieling:

Los Alamos National Security, LLC (LANS) and the U.S. Department of Energy (DOE) request a 2-year extension from the June 30, 2016, deadline to install the angled boring for Sandia Wetland Borehole 1 (SWB-1) to a new date of June 30, 2018. DOE/LANS request this extension under Section III.J.2 of the March 2005 Compliance Order on Consent (Consent Order).

In its Approval with Modifications of the Sandia Canyon Phase II Investigation Report, dated February 19, 2014, the New Mexico Environment Department (NMED) required DOE/LANS to install one boring, angled boring SWB-1, and submit the drilling work plan by June 20, 2014. The drilling work plan and NMED's approval of the work plan required the installation of the angle boring by June 30, 2015. In subsequent discussions with NMED staff, it was agreed that the drilling of SWB-1 should be delayed until after R-67 was installed and data were obtained from the new well.

On June 15, 2015, DOE/LANS requested an extension to June 30, 2016, to drill the angled boring after the installation and sampling of R-67. NMED's approval of the extension request was received on June 24, 2015. Well R-67 has since been installed, and data from the first sampling event, conducted on December 3, 2015, have been received. Initial data indicate that chromium and nitrate concentrations (7.11 µg/L, and 0.385 mg/L, respectively) are within or near background, and tritium was not detected at a minimum detectable activity of 2.308 pCi/L. These initial results suggest the well location has delineated the upgradient extent of the plume.



The proposed extension to June 30, 2018, to install the angle borehole will allow Los Alamos National Laboratory to collect quarterly data from R-67 for the next 2 years to determine if the background or low contaminants concentrations persist and if the upgradient extent of the plume remains defined.

If you have any questions, please contact Stephani Swickley at (505) 606-1628 (sfuller@lanl.gov) or Cheryl Rodriguez at (505) 665-5330 (cheryl.rodriguez@em.doe.gov)

Sincerely,

Sincerely,



John P. McCann, Acting Division Leader
Environmental Protection Division
Los Alamos National Laboratory



David S. Rhodes, Supervisor
Environmental Management
Los Alamos Field Office

JM/DH/SS/DK:sm

Cy: (date-stamped letter emailed)
Laurie King, EPA Region 6, Dallas, TX
Raymond Martinez, San Ildefonso Pueblo
Dino Chavarria, Santa Clara Pueblo
Steve Yanicak, NMED-DOE-OB, MS M894
lasomailbox@nnsa.doe.gov
Kimberly Davis Lebak, DOE-NA-LA
Peter Maggiore, DOE-NA-LA
emla.docs@em.doe.gov
Cheryl Rodriguez, DOE-EM-LA
David Rhodes, DOE-EM-LA
Danny Katzman, ADEP ER Program
Stephani Swickley, ADEP ER Program
Bruce Robinson, ADEP ER Program
Randy Erickson, ADEP
Jocelyn Buckley, ADESH-ENV-CP
Mike Saladen, ADESH-ENV-CP
John McCann, ADESH-ENV-DO
Michael Brandt, ADESH
Amy De Palma, PADOPS
Craig Leasure, PADOPS
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